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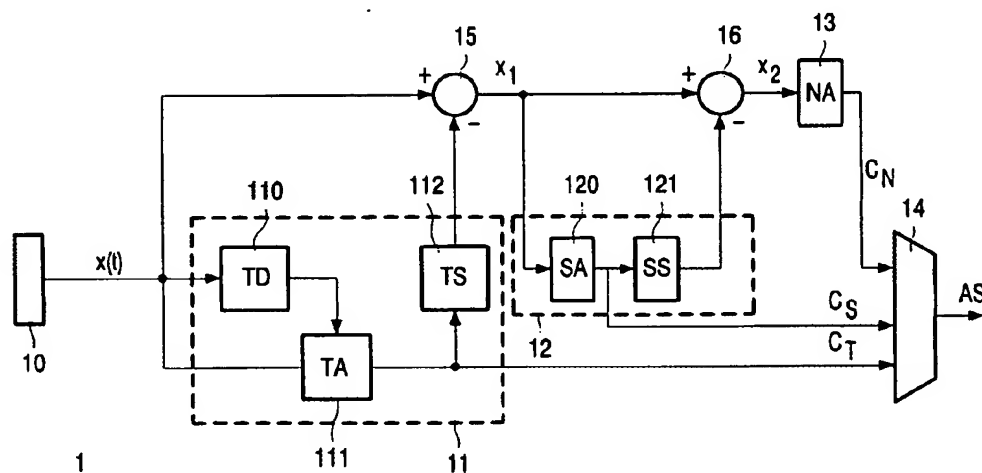
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(54) Title: SINUSOID SELECTION IN AUDIO ENCODING



(57) Abstract: A method of encoding (1) an audio signal  $x(t)$  by representing (12) at least part of said audio signal by a plurality of sinusoids, the method comprising the steps of performing an analysis on a first segment of said audio signal, selecting candidate sinusoids based on said analysis, defining for at least one of the candidate sinusoids a local frequency band around said candidate sinusoid's frequency, combining amplitudes of frequency components within said local frequency band from which at least one of the candidate sinusoids within said local frequency band is excluded, and selecting said candidate sinusoid as a selected sinusoid in dependence on the combination of amplitudes. The selection of sinusoids according to the invention will result in a smaller number of sinusoids to be encoded for a given audio quality, which is advantageous in terms of bit-rate for a given audio quality.

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